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O.I.P.E.**

**PART B - FEE(S) TRANSMITTAL**

Complete and send this form, together with applicable fee(s), to: **Mail**

**Mail Stop ISSUE FEE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
(703) 746-4000**

JUN 10 2004

**or Fax**

**INSTRUCTIONS:** This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. Further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block 1)

7590                    04/05/2004

Clifford W. Browning  
Woodard, Emhardt, Naughton, Moriarty & McNett  
Bank One Center/Tower  
111 Monument Circle, Suite 3700  
Indianapolis, IN 46204

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

**Certificate of Mailing or Transmission**  
I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO, on the date indicated below.

Clifford W. Browning	(Depositor's name)
Ceppenw M	(Signature)
June 8, 2004	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/918,115	07/30/2001	Michael Graetzel	16090-23	2594

TITLE OF INVENTION: SOLID STATE HETEROJUNCTION AND SOLID STATE SENSITIZED PHOTOVOLTAIC CELL

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	07/06/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
HU, SHOUXIANG	2811	257-461000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).  
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**
2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.
1. Clifford W. Browning  
 2. WOODARD, EMHARDT, MORIARTY  
 3. MCNETT & HENRY LLP  
 4. PATENT AND TRADEMARK ATTORNEYS  
 5. BANK ONE CENTER TOWER  
 6. 111 MONUMENT CIRCLE, SUITE 3700  
 INDIANAPOLIS, INDIANA 46204-5137

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Ecole Polytechnique Federale  
de Lausanne

Lausanne, Switzerland

Please check the appropriate assignee category or categories (will not be printed on the patent):  individual  corporation or other private group entity  government

4a. The following fee(s) are enclosed:

- Issue Fee  
 Publication Fee  
 Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s):

- A check in the amount of the fee(s) is enclosed.  
 Payment by credit card. Form PTO-2038 is attached.  
 The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 23-3030 (enclose an extra copy of this form).

Director for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

(Authorized Signature)

(Date)

*Ceppenw M* 6/8/04

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

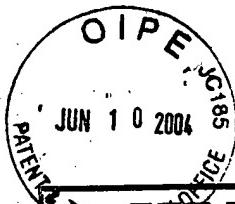
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06/14/2004 YPOLITE2 0000005 09918115

01 FC:1501  
02 FC:1504

1330.00 OP  
300.00 OP

TRANSMIT THIS FORM WITH FEE(S)



JUN 10 2004

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

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# TRADEMAKES FEE TRANSMITTAL FOR FY 2004

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27Total Amount of Payment (\$)1630.00

Complete if Known

Application Number	<u>09/918115</u>
Filing Date	<u>07/30/2001</u>
First Named Inventor	<u>Michael Gratzel</u>
Group Art Unit	<u>281</u>
Examiner Name	<u>Hu, Shouxiang</u>
Attorney Docket Number	<u>16090-23</u>

## METHOD OF PAYMENT

## FEE CALCULATION (continued)

Check  Credit card  Money Order  Other  None

 Deposit Account:

Deposit Account Number 23-3030  
Deposit Account Name Woodard, Emhardt, Moriarty,  
McNett & Henry LLP

The Commissioner is authorized to: (check all that apply)

- Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application, excluding the payment of issue fees  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code	Entity Fee (\$)	Small Entity Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
1001	770	2001	385	Utility Filing Fee	
1002	340	2002	170	Design Filing Fee	
1003	530	2003	265	Plant Filing Fee	
1004	770	2004	385	Reissue Filing Fee	
1005	160	2005	80	Provisional Filing Fee	
SUBTOTAL (1) (\$)					<u>1330</u>

## 2. EXTRA CLAIM FEES

Total Claims	-20** =	Extra Claims	Fee From Below	Fee Paid
Independent Claims	-3** =			
Multiple Dependent				

Large Entity	Small Entity	Fee Description
Fee Code (\$)	Fee Code (\$)	
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	**Reissue independent claims over original patent
1205 18	2205 9	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$)		

## 3. ADDITIONAL FEES

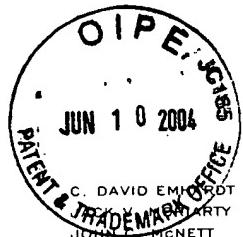
Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (\$)	Fee Code (\$)		
1051 130	2051 65	Surcharge – late filing fee or oath	
1052 50	2052 25	Surcharge – late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner's Action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner's Action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive – unavoidable	
1453 1,330	2453 665	Petition to revive – unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	<u>1330</u>
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Petitions related to provisional applications	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other Fee (specify)			<u>Publication Fee 300</u>
* Reduced by Basic Filing Fee Paid			SUBTOTAL (3) (\$) <u>1630.00</u>

\*\* or number previously paid, if greater. For Reissues, see above

Complete if applicable

SUBMITTED BY Name (Print/Type)	Clifford W. Browning	Registration No. (Attorney/Agent)	32,201	Telephone	(317) 634-3456
Signature	<u>Clifford W. Browning</u>				Date <u>June 8, 2004</u>

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June 8, 2004

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Sir:

The enclosed PTO-2038 form authorizes the issue fee and publication fee payments in the amount and manner set forth below to be charged to American Express Card No. [REDACTED] 1292. Please charge any additional fees which may be due or credit any overpayments to deposit account No. 23-3030.

1. Issue fee due on Michael Graetzel application, Ser. No. 918,115 entitled SOLID STATE HETEROJUNCTION AND SOLID STATE SENSITIZED PHOTOVOLTAIC CELL - see attached sheet.

\$ 1330.00

2. Publication fee due on patent serial No. 918,115 - see attached sheet

300.00

TOTAL BALANCE TO BE PAID:

\$ 1630.00

Sincerely,

Kari K. Woehler

lds  
Enclosures

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Clifford W. Browning

Name of Registered Representative

Signature

June 8, 2004

Date of Signature